

Notice of Allowability

Application No.

09/734,154

Examiner

Thomas E. Shortledge

Applicant(s)

RATNAPARKHI, ADWAIT

Art Unit

2654

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Remarks received 08/08/2005.
2. ☒ The allowed claim(s) is/are 1-21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

1. This communication is in response to Remarks filed on 08/08/2005.
2. Claims 1-21 are pending in the application, with claims 1, 12, and 21 being independent. Claim 21 has been added.

Response to Arguments

3. Applicant's arguments see Remarks, filed 08/08/2005, with respect to claims 1-20 have been fully considered and are persuasive. The 35 U.S.C 103(a) rejection of claims 1-20 has been withdrawn.

Allowable Subject Matter

4. Claims 1-21 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Claims 1 and 12 recite receiving a concept comprising attributes and corresponding values of each of said attributes from a user, grammar rules from the user, each rule including a head, a phrase fragment, a direction and a condition, wherein each phrase fragment includes one of said attributes, and a scoring function from the user. A plurality of natural language phrases is created using the grammar

rules, and an optimal natural language phrase is determined using the scoring function. The optimal natural language phrase is then presented to the user.

The prior art of record teaches creating natural language phrase from an input supplied by the user. The phrases are created using a series of grammar rules (each rule includes a head, a phrase fragment, a direction and a condition), and then an optimal phrase is selected from the set based on a scoring function. However, the prior art of record does not teach nor fairly suggest a user inputting attributes containing values, a user inputting grammar rules containing phrase fragments including one of the attributes, nor a user inputting a scoring function to be used to determine the optimal natural language phrase.

Claim 21 recites receiving a concept comprising attributes and corresponding values of each of said attributes from a user, grammar rules from the user, each rule including a head, a phrase fragment, a direction and a condition, wherein each phrase fragment includes one of said attributes, and a scoring function from the user. Where the head is a word, the phrase fragment is a natural language phrase fragment comprising a plurality of words, the direction indicates a location of the phrase fragment, and the condition is a code fragment for restricting use of a rule using a binary evaluation during run-time. Then, a plurality of natural language phrases is created using the grammar rules, and an optimal natural language phrase is determined using the scoring function. The optimal natural language phrase is then presented to the user.

The prior art of record teaches creating natural language phrase from an input supplied by the user. The phrases are created using a series of grammar rules (each rule includes a head, a phrase fragment, a direction and a condition), and then an optimal phrase is selected from the set based on a scoring function. Wherein the grammar rules the head is a word, the phrase fragment is a natural language phrase fragment, the direction indicates a location of the phrase fragment, and the condition is a code fragment for restricting use of a rule using a binary evaluation during run-time. However, the prior art of record does not teach nor fairly suggest a user inputting attributes containing values, a user inputting grammar rules containing phrase fragments including one of the attributes, nor a user inputting a scoring function to be used to determine the optimal natural language phrase.

Claims 2-11, and 13-20 are allowable since they depend on indicated allowable subject matter.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas E. Shortledge whose telephone number is (571)272-7612. The examiner can normally be reached on M-F 8:00 - 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richemond Dorvil can be reached on (571)272-7602. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TS
11/10/2005

Vijay Chawan
VIJAY CHAWAN
PRIMARY EXAMINER